

534 Rec'd PCT/PT 11 JUL 2000

Please type a plus sign (+) inside this box → ☐

PTO/SB/08A (10-96)
 Approved for use through 10/31/99, OMB 0651-0031
 Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
 Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1

of

4

Complete if Known

Application Number

09/600096

Filing Date

First Named Inventor

Group Art Unit

Examiner Name

K. Harris

Attorney Docket Number

18367-9547

U.S. PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
KBT		1,073,092		Christensen	09-16-1913	
KBT		1,878,224		Woolson	09-20-1932	
KBT		1,944,052		Zaschka	01-16-1934	
KBT		2,440,815		Wharam et al.	05-04-1948	
KBT		2,815,834		Mall	12-10-1957	
KBT		3,022,053		Hoyt	02-20-1962	
KBT		3,570,464		Morabit	03-16-1971	
KBT		4,103,665		Prasch	08-01-1978	
KBT		4,142,487		Somraty	03-06-1979	
KBT		4,170,203		Congram et al.	10-09-1979	
KBT		4,406,590		Kessler	09-27-1983	
KBT		4,523,556		Suzuki	06-18-1985	
KBT		4,559,686		Kessler	12-24-1985	
KBT		4,570,587		Watanabe et al.	02-18-1986	
KBT		4,582,030		Reese	04-15-1986	
KBT		4,604,067		Roberts	08-05-1986	
KBT		4,644,606		Luerken et al.	02-24-1987	
KBT		4,651,704		Sekiguchi	03-24-1987	
KBT		4,709,669		Wissmann et al.	12-01-1987	
KBT		4,798,185		Driggers	01-17-1989	

FOREIGN PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁵
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
KBT		AU	199881968	B2	Ryobi Outdoor Prod.	10-29-1998		
KBT		CA	949.627		Skil Canada Ltd.	06-18-1974		
KBT		DE	3335962	A1	Kovacs Motor	02-05-1985		X
					(English Abstract)			
KBT		DE	4142875	A1	Imagawa, Youchi	02-07-1992		
					Tokyo, Japan			
					(U.S. Counterpart	5,243,937)		
KBT		EP	0779412	A2	Honda Giken Kogyo	06-18-1997		
					Kabushiki Kaisha			

Examiner Signature

Katie B. Harris

Date Considered

August 23, 2003

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

534 Rec'd PCT/PTC 11 JUL 2000

Please type a plus sign (+) inside this box → ☐PTO/SB/08A (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application Number

09/600096

Filing Date

First Named Inventor

Group Art Unit

3747

Examiner Name

K. Harris

Attorney Docket Number

18367-9547

Sheet

2

of

4

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
KBH		4,825,548		Driggers	05-02-1989	
KBH		4,867,007		Krotky	09-19-1989	
KBH		4,922,881		Tamba et al.	05-08-1990	
KBH		4,976,093		Everts	12-11-1990	
KBH		5,031,591		Shinoda et al.	07-16-1991	
KBH		5,241,932		Everts	09-07-1993	
KBH		5,243,937		Imagawa	09-14-1993	
KBH		5,341,781		Gerhardt	08-30-1994	
KBH		5,429,095		Aodai et al.	07-04-1995	
KBH		5,467,843		Esch et al.	11-21-1995	
KBH		5,485,666		Welborn et al.	01-23-1996	
KBH		5,558,057		Everts	09-24-1996	
KBH		5,600,195		Welborn et al.	02-04-1997	
KBH		5,660,152		Masuda	08-26-1997	
KBH		5,730,044		Oh	03-24-1998	
KBH		5,738,062		Everts	04-14-1998	
KBH		5,887,563		Shudo et al.	03-30-1999	
KBH		5,901,687		Tasaki et al.	05-11-1999	
KBH		5,937,836		Yonezawa et al.	08-17-1999	
KBH		5,947,075		Ryu et al.	09-07-1999	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁵
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
KBH		EP	0835987	A2	Honda Giken Kogyo	04-15-1998		
KBH		JP	10288019	A	Kabushiki Kaisha	04-18-1997		X
KBH		JP	2769984		Fuji Robin Ind Ltd	07-09-1996		X
KBH		WO	99/02824	A1	(English Abstract)	01-21-1999		
					Ryobi KK			
					(Translation)			
					Ryobi North America			

Examiner
Signature

K. B. Harris

Date
Considered

August 23, 2003

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1448A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	1	of	2
-------	---	----	---

Complete if Known

Application Number	09/600,096
Filing Date	July 11, 2000
First Named Inventor	Nicholas Robert Hirsch
Group Art Unit	3747
Examiner Name	K. Harris
Attorney Docket Number	18367-9547

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

Examiner Initials ²	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
KEA		EP	0 279 446		Isaka et al.	08-24-1988		
KEA		EP	0 211 156		Kronich	10-11-1989		
KEA		EP	0 428 187		Ueno et al.	05-22-1991		
KEA		EP	0 279 445		Oguri et al.	09-08-1993		
KEA		EP	0 715 688		Spray et al	02-04-1998		
KEA		EP	0 631 040		Toderio et al.	03-04-1998		
KEA		EP	0 839 992		Yonezawa et al.	05-06-1998		
KEA		EP	0 887 520		Aizawa et al.	12-30-1998		
KEA		WO	99/09304		Deane	02-25-1999		
		EP	0 942 155		Kuhn et al.	09-15-1999		x

Examiner
Signature

Katri B. Hans

Date	
Considered	

August 23, 2003

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.

+

+

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known

Application Number	09/600,096
Filing Date	July 11, 2000
First Named Inventor	Nicholas Robert Hirsch
Group Art Unit	3747
Examiner Name	K. Harris
Attorney Docket Number	18367-9547

(use as many sheets as necessary)

Sheet 2 of 2

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature	<i>[Signature]</i>
--------------------	--------------------

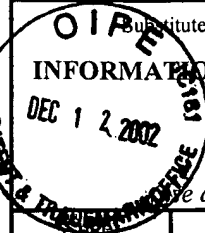
Date Considered	August 23, 2003
-----------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitution of form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) 		Complete if Known		
		Application Number	09/600,096	
		Filing Date	June 7, 2001	
		First Name Inventor	Nicholas Robert Hirsch	
		Group Art Unit	3747	
		Examiner Name	Jeffrey Olsen K. Harris	
1	of	1	Attorney Docket Number	18367-9547

U.S. PATENT DOCUMENTS

Examiner Initials	U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document
KBH	3,967,595	SHIZUO YAGI et al	7/6/1976
KBH	4,233,043	CATTERSON	11/11/1980
KBH	4,483,279	KOHLER et al	11/20/1984
KBH	4,513,702	KOGA et al	4/30/1985
KBH	5,857,439	WILL et al	1/12/1999

FOREIGN PATENT DOCUMENTS

Examiner Initials	Country Code	Foreign Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document
KBH	DE	197 29 946 A 1	BUROW et al	1/14/1999
KBH	EP	0 509 738 A1	CATTERSON et al	10/21/1992
KBH	UK	315,718	KEL-CHA-MOTOR A.G.	7/16/1929

Examiner Signature	<i>K. Harris</i>	Date Considered	August 23, 2003
--------------------	------------------	-----------------	-----------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer. Patent and Trademark Office, Washington, DC 0231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

+

+

Substitute for form 1449A/PTO

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

Application Number	09/600,096
Filing Date	July 11, 2000
First Named Inventor	Nicholas Robert Hirsch
Group Art Unit	Unknown 3747
Examiner Name	Unknown K. Harris
Attorney Docket Number	18367-9547

U.S. PATENT DOCUMENTS

[illegible]

RECEIVED
AUG 16 2007
TECHNOLOGY CENTER R3700

FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

Kareem B. Harris

Date
Considered

August 23, 2003

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.

+

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute of form 1449/PTO

Complete if Known

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number 09/600,096
 Filing Date June 7, 2001
 First Name Inventor Nicholas Robert Hirsch
 Group Art Unit 3747
 Examiner Name ~~Unknown~~ K. Harris
 Attorney Docket Number 18367-9547-00

Sheet 1 of 1

(see as many sheets as necessary)

U.S. PATENT DOCUMENTS

Examiner Initials	U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document
KBH	5,000,126	Isaka et al.	3/19/1991
			RECEIVED
			JUN 26 2003
			TECHNOLOGY CENTER R3700

FOREIGN PATENT DOCUMENTS

Examiner Initials	Country Code	Foreign Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Translation	English Abstract

Examiner Signature	Katrin B. Harris	Date Considered	August 23, 2003
--------------------	------------------	-----------------	-----------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer. Patent and Trademark Office, Washington, DC 0231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box Alexandria, VA 22313-1450.